



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/897,518	07/02/2001	David James Stevenson	01-491	2537

7590 04/30/2007
McDonnell Boehnen Hulbert & Berghoff
32nd Floor
300 S. Wacker Drive
Chicago, IL 60606

EXAMINER

MEUCCI, MICHAEL D

ART UNIT	PAPER NUMBER
----------	--------------

2142

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	04/30/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No.	Applicant(s)
	09/897,518	STEVENSON ET AL.
	Examiner	Art Unit
	Michael D. Meucci	2142

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 05 February 2007.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1,4,5,8,12-21 and 23 is/are pending in the application.
 - 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1,4,5,8,12-21 and 23 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 24 September 2001 is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 - Certified copies of the priority documents have been received in Application No. _____.
 - Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date: _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date: _____ | 6) <input type="checkbox"/> Other: _____ |

Art Unit: 2142

DETAILED ACTION

1. This action is in response to the Request for Continued Examination (RCE) filed 05 February 2007.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

3. Claims 1, 4, 5, 8, 12-21, and 23 rejected under 35 U.S.C. 103(a) as being unpatentable over Bell et al. (U.S. 5,223,827) hereinafter referred to as Bell in view of Andersen (U.S. 6,434,715 B1) and Vaid et al. (U.S. 6,502,131 B1) hereinafter referred to as Vaid.

a. Regarding claims 1, 21, and 23, Bell teaches: receiving network management data relating to an event condition (lines 15-24 of column 1 and line 56 of column 3 through line 5 of column 4); adding a normal event log entry to the event log display, the normal event log entry corresponding to the event, when the number of preceding equivalent events is less than a predetermined number in a preceding time period (line 15 of column 1 through line 12 of column 2).

Bell does not explicitly teach: adding a recurring event log entry to the event log display, the recurring event log entry corresponding to the event, when (i) the event does not already have recurring event status and (ii) the number of preceding

Art Unit: 2142

equivalent events is greater than the predetermined number in the preceding time period. However, Andersen discloses: "A limit may be set as to how many repeats should be observed before a repeat event/message is generated. Similarly a limit may be programmed in as to how many repeat events/messages should be generated regardless of the number of observations made. This information may be displayed at the trip unit 30 or at a central computer (not shown). This may be displayed (or printed) in the form of a log or by type of event along with the number of repeat events, the time since the prior event occurrence and/or the frequency of such event occurrences," (lines 58-67 of column 3). It would have been obvious for one of ordinary skill in the art at the time of the applicant's invention to add a recurring event log entry to the event log display, the recurring event log entry corresponding to the event, when (i) the event does not already have recurring event status and (ii) the number of preceding equivalent events is greater than the predetermined number in the preceding time period. "This information is useful as an aid in determining the cause or root (i.e., systemic root cause) of these events as such would otherwise be difficult to determine," (line 67 of column 2 through line 3 of column 4 in Andersen). It is for this reason that one of ordinary skill in the art at the time of the applicant's invention would have been motivated to add a recurring event log entry to the event log display, the recurring event log entry corresponding to the event, when (i) the event does not already have recurring event status and (ii) the number of preceding equivalent events is greater than the predetermined number in the preceding time period in the system as taught by Bell.

Bell does not explicitly teach: maintaining the event log display by excluding an indication of the event from the event log display when (i) the event corresponds to an already recurring event and (ii) the number of preceding equivalent events is greater than the predetermined number in the preceding time period. However, Andersen discloses: "For each such event that is detected by the intelligent electronic device the systemic fault detection algorithm logs the occurrence of the event. Optionally, the algorithm may also log the date and time of the event. The algorithm determines if this particular fault type (or event type) has occurred before (e.g., the same type of fault on the same phase). If such a fault has occurred before, the time since the last such fault occurrence and the total number of such fault type occurrences are determined. This is then compared against the user-input number of events and/or time frequency specified to merit the generation of a repeat event," (lines 8-18 of column 2). It would have been obvious for one of ordinary skill in the art at the time of the applicant's invention to maintain the event log display by excluding an indication of the event from the event log display when (i) the event corresponds to an already recurring event and (ii) the number of preceding equivalent events is greater than the predetermined number in the preceding time period. Meriting the generation of a repeat event (line 18 of column 2 in Andersen) is where motivation lies for this determination and logging of the event as a normal event. It is for this reason that one of ordinary skill in the art at the time of the applicant's invention would have been motivated to maintain the event log display by excluding an indication of the event from the event log display when (i) the event corresponds to an already recurring event and (ii) the number of preceding equivalent

Art Unit: 2142

events is greater than the predetermined number in the preceding time period in the system as taught by Bell.

Bell does not explicitly teach: SNMP events. The combination of Bell and Andersen teach all of the limitations of the instant application with regards to generic events, and the examiner contends that the type of event is arbitrary. In any case, Vaid discloses: "Alarms and notifications can also be specified, in order to determine which events will trigger an alarm, at what threshold, and in what form e.g. email notification, pager message, SNMP trap, log entry and so on," (lines 52-55 of column 27). It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to include SNMP events. "Additionally, the directory access interfaces with management stations network services 1811 through SNMP," (lines 3-5 of column 27 in Vaid). It is for this reason that one of ordinary skill in the art at the time of the applicant's invention would have been motivated to include SNMP events in the system as taught by Bell and Andersen.

b. Regarding claim 4, Bell does not explicitly teach: adding a time stamp to the event data of the recurring event, the time stamp indicating the time of the subsequent occurrence of the event condition. However, Andersen discloses: "Optionally, the algorithm may also log the date and time of the event," (lines 10-11 of column 2). It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to add a time stamp to the event data of the recurring event, with the time stamp indicating the time of the subsequent occurrence of the event condition. "The algorithm determines if this particular fault type (or event type) has occurred before

Art Unit: 2142

(e.g., the same type of fault on the same phase). If such a fault has occurred before, the time since the last such fault occurrence and the total number of such fault type occurrences are determined. This is then compared against the user-input number of events and/or time frequency specified to merit the generation of a repeat event," (lines 11-18 of column 2 in Andersen). It is for this reason that one of ordinary skill in the art at the time of the applicant's invention would have been motivated to add a time stamp to the event data of the recurring event, with the time stamp indicating the time of the subsequent occurrence of the event condition in the system as taught by Bell.

c. Regarding claim 5, Bell teaches: the preceding time period is an immediately preceding time period (abstract and lines 45-62 of column 1).

d. Regarding claim 8, Bell teaches: receiving network management data relating to an event condition (lines abstract and 15-24 of column 1); and determining whether the monitored characteristic for the event condition is in a recurring state, and processing the data according to whether the monitored characteristic for: the event condition is in a recurring state (abstract and lines 15-62 of column 1).

e. As per claim 12, Bell does not explicitly teach: adding the time of the received data relating to the event condition to event data of the event in the recurring state. However, Andersen discloses: "Optionally, the algorithm may also log the date and time of the event," (lines 10-11 of column 2). It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to add the time of the received data relating to the event condition to event data of the event in the recurring state. "The algorithm determines if this particular fault type (or event type) has occurred

Art Unit: 2142

before (e.g., the same type of fault on the same phase). If such a fault has occurred before, the time since the last such fault occurrence and the total number of such fault type occurrences are determined. This is then compared against the user-input number of events and/or time frequency specified to merit the generation of a repeat event," (lines 11-18 of column 2 in Andersen). It is for this reason that one of ordinary skill in the art at the time of the applicant's invention would have been motivated to add the time of the received data relating to the event condition to event data of the event in the recurring state in the system as taught by Bell.

f. Regarding claim 13, Bell teaches: generating an event for presentation in the event log to the user when it is determined that the event condition has not occurred more than the first predetermined number of times in the first immediately preceding time period (abstract and lines 15-62 of column 1).

g. Regarding claim 14, Bell teaches: the generated event is not a recurring event (abstract and lines 34-50 of column 2).

h. Regarding claim 15, Bell teaches: wherein if it is determined that the monitored characteristic for the event condition is not in a recurring state, the method further comprises determining whether a second predetermined number of equivalent events have been generated in a second preceding time period (line 51 of column 2 through line 12 of column 3).

i. Regarding claim 16, Bell teaches: generating an event for presentation in the event log to the user when it is determined that the event condition has not occurred

Art Unit: 2142

more than the first predetermined number of times in the first immediately preceding time period (abstract and lines 15-62 of column 1).

j. Regarding claim 17, Bell does not explicitly teach: preventing a subsequent event from being presented in the event list to the user following a subsequent occurrence of the event condition. However, Andersen discloses: "A limit may be set as to how many repeats should be observed before a repeat event/message is generated. Similarly a limit may be programmed in as to how many repeat events/messages should be generated regardless of the number of observations made," (lines 58-62 of column 3). It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to prevent a subsequent event from being presented in the event list to the user following a subsequent occurrence of the event condition. "This information is useful as an aid in determining the cause or root (i.e., systemic root cause) of these events as such would otherwise be difficult to determine," (line 67 of column 3 through line 3 of column 4 in Andersen) and "By identifying repeating fault events automatically, these systemic fault conditions may be predicted, detected, and corrected before a major fault event occurs," (lines 16-19 of column 4 in Andersen). It is for these reasons that one of ordinary skill in the art at the time of the applicant's invention would have been motivated to prevent a subsequent event from being presented in the event list to the user following a subsequent occurrence of the event condition in the system as taught by Bell.

k. Regarding claim 18, Bell does not explicitly teach: adding a time stamp to the event data of the recurring event, the time stamp indicating the time of the

subsequent occurrence of the event condition. However, Andersen discloses:

"Optionally, the algorithm may also log the date and time of the event," (lines 10-11 of column 2). It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to add a time stamp to the event data of the recurring event, with the time stamp indicating the time of the subsequent occurrence of the event condition.

"The algorithm determines if this particular fault type (or event type) has occurred before (e.g., the same type of fault on the same phase). If such a fault has occurred before, the time since the last such fault occurrence and the total number of such fault type

occurrences are determined. This is then compared against the user-input number of events and/or time frequency specified to merit the generation of a repeat event," (lines 11-18 of column 2 in Andersen). It is for this reason that one of ordinary skill in the art at the time of the applicant's invention would have been motivated to add a time stamp to the event data of the recurring event,, with the time stamp indicating the time of the subsequent occurrence of the event condition in the system as taught by Bell.

I. Regarding claim 19, Bell teaches: generating an event for presentation in the event log to the user when it is determined that the event condition has not occurred more than the first predetermined number of times in the first immediately preceding time period (abstract and lines 15-62 of column 1).

m. Regarding claim 20, Bell teaches: the first and/or second preceding time period is an immediately preceding time period (abstract and lines 45-62 of column 1).

Response to Arguments

4. Applicant's arguments filed 05 February 2007 have been fully considered but they are not persuasive.
5. The applicant's arguments all pertain to newly claimed subject matter which has been addressed in the rejections above.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Black et al. (U.S. 7,143,153 B1) discloses SNMP event traps.

Nodoushani et al. (U.S. 7,164,694 B1) discloses gateway protocol mediation and SNMP traps.

Sanghvi et al. (U.S. 7,171,459 B2) discloses event handling and SNMP traps.

Sim et al. (U.S. 7,177,270 B2) discloses minimizing network congestion during large payload delivery and SNMP traps.

Pillai et al. (U.S. 7,181,519 B2) discloses distributed monitoring and control and SNMP traps.

Copeland, III (U.S. 7,185,368 B2) discloses detection of network intrusions and SNMP trap messages.

Art Unit: 2142

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Meucci at (571) 272-3892. The examiner can normally be reached on Monday-Friday from 9:00 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Caldwell, can be reached at (571) 272-3868. The fax phone number for this Group is 571-273-8300.

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [michael.meucci@uspto.gov].

All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you

Art Unit: 2142

have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Beatriz Prieto
BEATRIZ PRIETO
PRIMARY EXAMINER